

Title (en)

MODULAR VAPOR DETECTOR AND IDENTIFIER

Title (de)

MODULARER DAMPFPHASENDETEKTOR UND IDENTIFIKATOR

Title (fr)

DÉTECTEUR ET IDENTIFICATEUR DE VAPEUR MODULAIRE

Publication

EP 2850413 A1 20150325 (EN)

Application

EP 13724968 A 20130506

Priority

- US 201213474206 A 20120517
- US 2013039719 W 20130506

Abstract (en)

[origin: US2013308317A1] In an embodiment, an apparatus includes a module assembly and a main assembly. The module assembly includes a module assembly housing, a first face plate and an analysis unit attached to the first face. The main assembly includes a main assembly housing, a second face plate and an engine unit rigidly attached to the second face plate. The engine unit generates a light that passes to the analysis unit via a first lens assembly and a second lens assembly. The first lens assembly is attached to the first face plate and the second lens assembly is attached to the second face plate. The module assembly when attached to the main assembly causes the first and second face plates to act as a single mechanical unit that moves independent of movement of the module assembly housing and/or the main assembly housing.

IPC 8 full level

G01J 3/02 (2006.01); **G01J 3/453** (2006.01); **G01N 21/35** (2014.01); **G01N 21/47** (2006.01); **G01N 21/55** (2014.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2013173107A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2013308317 A1 20131121; **US 8901499 B2 20141202**; CN 104303044 A 20150121; CN 104303044 B 20170919; EP 2850413 A1 20150325; EP 2850413 B1 20200311; JP 2015520367 A 20150716; JP 6299022 B2 20180328; WO 2013173107 A1 20131121

DOCDB simple family (application)

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